3700

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1626gms

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28	Mar 20	EVENTLINE will be removed from STN
NEWS 29	Mar 24	PATDPAFULL now available on STN
NEWS 30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31	Mar 24	Indexing from 1957 to 1966 added to records in CA/CAPLUS
NEWS 32	Apr 11	Display formats in DGENE enhanced
NEWS 33	Apr 14	MEDLINE Reload
NEWS 34	Apr 17	Polymer searching in REGISTRY enhanced

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items

Golam Shameem

NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:26:57 ON 18 APR 2003

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:27:05 ON 18 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 17 APR 2003 HIGHEST RN 503414-07-1
DICTIONARY FILE UPDATES: 17 APR 2003 HIGHEST RN 503414-07-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

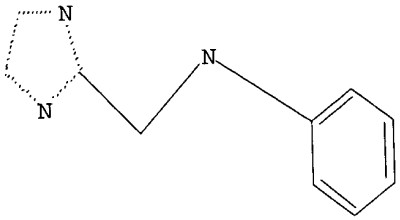
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10019976.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

Golam Shameem



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 14:27:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     698 TO ITERATE

100.0% PROCESSED      698 ITERATIONS                    50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        12376 TO     15544
PROJECTED ANSWERS:             752 TO      1688

L2            50 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 14:27:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   13698 TO ITERATE

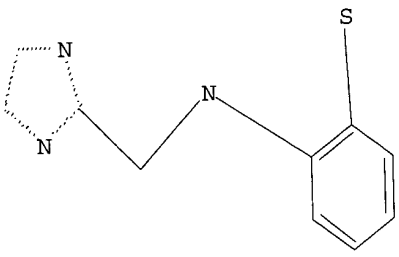
100.0% PROCESSED    13698 ITERATIONS                  1174 ANSWERS
SEARCH TIME: 00.00.02

L3          1174 SEA SSS FUL L1

=>
Uploading 10019976a.str

L4       STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4                 STR
```



Structure attributes must be viewed using STN Express query preparation.

Golam Shameem

```
=> s l4
SAMPLE SEARCH INITIATED 14:29:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      15 TO ITERATE

100.0% PROCESSED       15 ITERATIONS                          4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:            68 TO      532
PROJECTED ANSWERS:                4 TO      200

L5             4 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 14:29:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     330 TO ITERATE

100.0% PROCESSED      330 ITERATIONS                         56 ANSWERS
SEARCH TIME: 00.00.01

L6             56 SEA SSS FUL L4

=> FIL CAPLUS
COST IN U.S. DOLLARS

                                                SINCE FILE      TOTAL
                                                   ENTRY      SESSION
FULL ESTIMATED COST                               297.50       297.71

FILE 'CAPLUS' ENTERED AT 14:30:15 ON 18 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)
```



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FILE COVERS 1907 - 18 Apr 2003  VOL 138 ISS 17
FILE LAST UPDATED: 17 Apr 2003  (20030417/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s l6
L7             4 L6

=> d ibib abs hitstr l7 tot

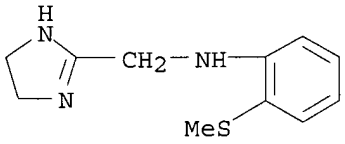
L7   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2002:312317  CAPLUS
```

DOCUMENT NUMBER: 137:56986
TITLE: 2-(Anilinomethyl)imidazolines as .alpha.1 Adrenergic Receptor Agonists: the Discovery of .alpha.1a Subtype Selective 2'-Alkylsulfonyl-Substituted Analogues
AUTHOR(S): Hodson, Stephen J.; Bishop, Michael J.; Speake, Jason D.; Navas, Frank, III; Garrison, Deanna T.; Bigham, Eric C.; Saussy, David L., Jr.; Liacos, James A.; Irving, Paul E.; Gobel, M. Jeffrey; Sherman, Bryan W.
CORPORATE SOURCE: GlaxoSmithKline Research Laboratories, Research Triangle Park, NC, 27709-3398, USA
SOURCE: Journal of Medicinal Chemistry (2002), 45(11), 2229-2239
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 137:56986

AB A series of 2'-alkylthio-2-(anilinomethyl)imidazolines were prepd. to examine the effect of the alkyl group size, sulfur oxidn. state, and Ph ring substitution on ligand binding and agonism of .alpha.-adrenergic receptor subtypes .alpha.1a, .alpha.1b, .alpha.1d, .alpha.2a, and .alpha.2c. Binding at all receptor subtypes decreased for compds. in the sulfone oxidn. state as compared to their sulfide analogs. While sulfides were generally potent, nonselective agonists, sulfones exhibited .alpha.1a subtype selectivity in a cell-based functional assay. One of the sulfones was 250-7000-fold selective for .alpha.1a vs. all other subtypes.

IT **67083-77-6P 439291-53-9P 439291-54-0P**
439291-56-2P 439291-59-5P 439291-62-0P
439291-64-2P 439291-66-4P 439291-70-0P
439291-72-2P 439291-74-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and structure activity relationships of 2-(anilinomethyl)imidazolines as .alpha.1 adrenergic receptor agonists)

RN 67083-77-6 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylthio)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)



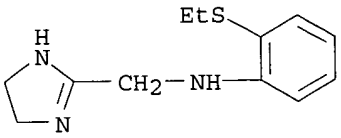
● HCl

RN 439291-53-9 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[2-(ethylthio)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 439291-52-8
CMF C12 H17 N3 S

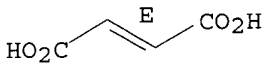
Golam Shameem



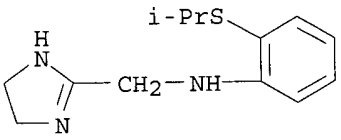
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 439291-54-0 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-[(1-methylethyl)thio]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

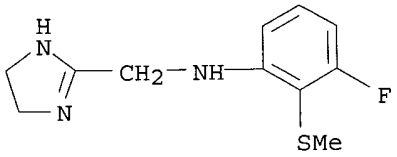


● HCl

RN 439291-56-2 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[3-fluoro-2-(methylthio)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 439291-55-1
CMF C11 H14 F N3 S

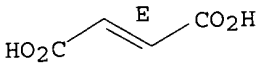


CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

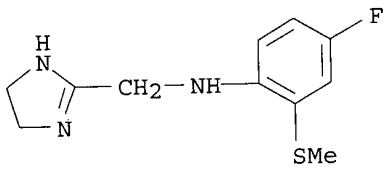
Golam Shameem



RN 439291-59-5 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[4-fluoro-2-(methylthio)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

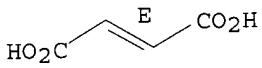
CRN 439291-58-4
CMF C11 H14 F N3 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

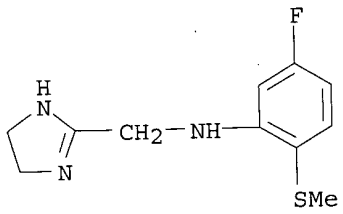
Double bond geometry as shown.



RN 439291-62-0 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[5-fluoro-2-(methylthio)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 439291-61-9
CMF C11 H14 F N3 S

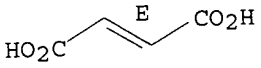


CM 2

CRN 110-17-8
CMF C4 H4 O4

Golam Shameem

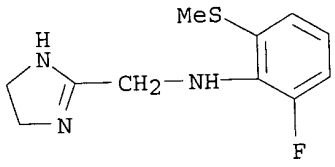
Double bond geometry as shown.



RN 439291-64-2 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[2-fluoro-6-(methylthio)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

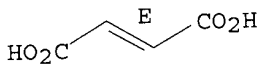
CRN 439291-63-1
CMF C11 H14 F N3 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

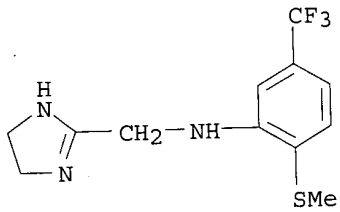
Double bond geometry as shown.



RN 439291-66-4 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylthio)-5-(trifluoromethyl)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 439291-65-3
CMF C12 H14 F3 N3 S

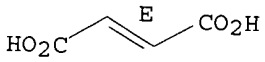


CM 2

Golam Shameem

CRN 110-17-8
CMF C4 H4 O4

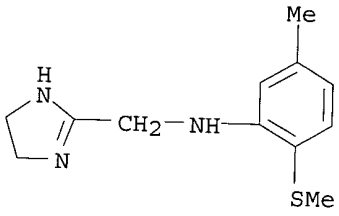
Double bond geometry as shown.



RN 439291-70-0 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[5-methyl-2-(methylthio)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

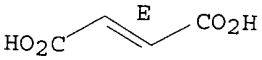
CRN 439291-69-7
CMF C12 H17 N3 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

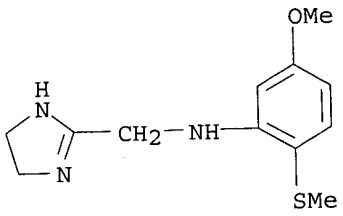
Double bond geometry as shown.



RN 439291-72-2 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[5-methoxy-2-(methylthio)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

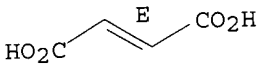
CRN 439291-71-1
CMF C12 H17 N3 O S



CM 2

CRN 110-17-8
CMF C4 H4 O4

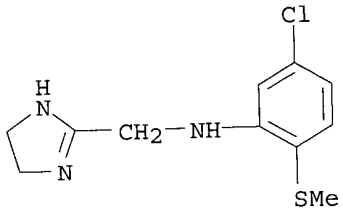
Double bond geometry as shown.



RN 439291-74-4 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[5-chloro-2-(methylthio)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

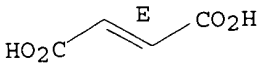
CRN 439291-73-3
CMF C11 H14 Cl N3 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



IT **305809-48-7P 305809-50-1P 305809-52-3P**
305809-54-5P 305809-55-6P 305809-57-8P
305809-59-0P 305809-61-4P 305809-63-6P
305809-64-7P 305811-04-5P 439291-51-7P
439291-68-6P 439291-76-6P

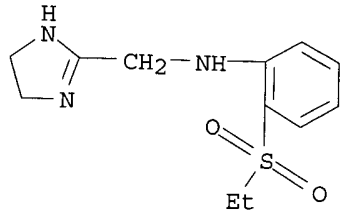
Golam Shameem

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and structure activity relationships of 2-(anilinomethyl)imidazolines as .alpha.1 adrenergic receptor agonists)

RN 305809-48-7 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[2-(ethylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

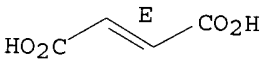
CRN 305809-47-6
CMF C12 H17 N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

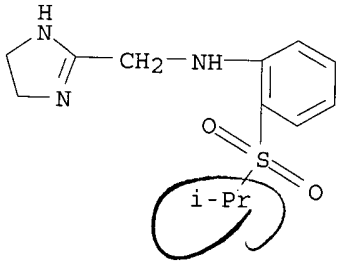
Double bond geometry as shown.



RN 305809-50-1 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-[(1-methylethyl)sulfonyl]phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 305809-49-8
CMF C13 H19 N3 O2 S



bad date

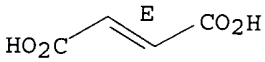
CM 2

CRN 110-17-8

Golam Shameem

CMF C4 H4 O4

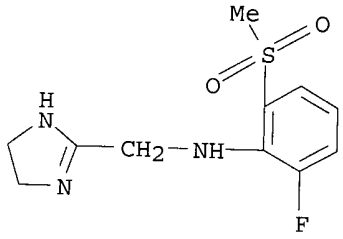
Double bond geometry as shown.



RN 305809-52-3 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[2-fluoro-6-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

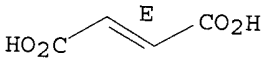
CRN 305809-51-2
CMF C11 H14 F N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

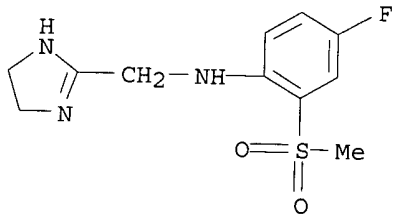
Double bond geometry as shown.



RN 305809-54-5 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[4-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 305809-53-4
CMF C11 H14 F N3 O2 S

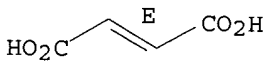


Golam Shameem

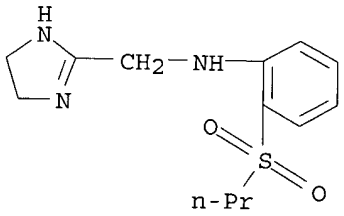
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 305809-55-6 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(propylsulfonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

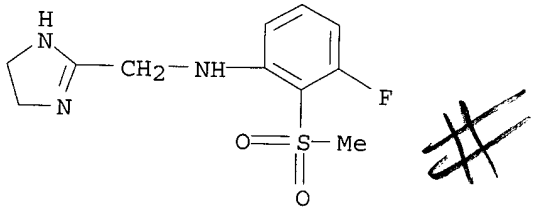


● HCl

RN 305809-57-8 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[3-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 305809-56-7
CMF C11 H14 F N3 O2 S

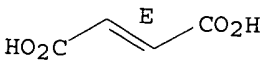


CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

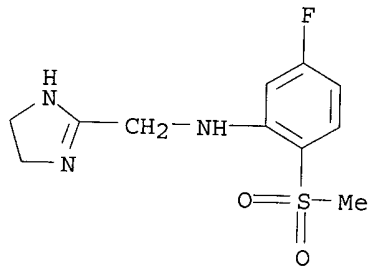
Golam Shameem



RN 305809-59-0 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[5-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

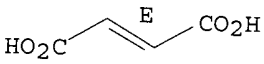
CRN 305809-58-9
CMF C11 H14 F N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

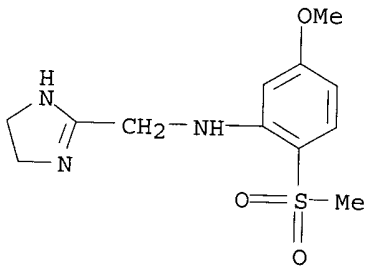
Double bond geometry as shown.



RN 305809-61-4 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[5-methoxy-2-(methylsulfonyl)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

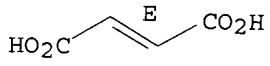
CRN 305809-60-3
CMF C12 H17 N3 O3 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

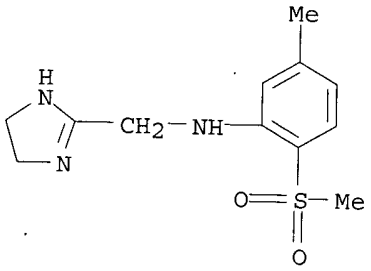
Double bond geometry as shown.



RN 305809-63-6 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[5-methyl-2-(methylsulfonyl)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

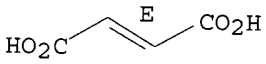
CRN 305809-62-5
CMF C12 H17 N3 O2 S



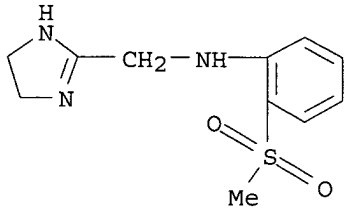
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 305809-64-7 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylsulfonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

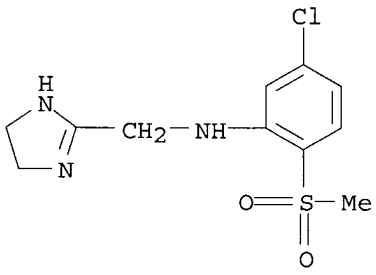


● HCl

RN 305811-04-5 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[5-chloro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

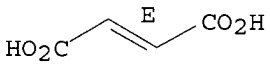
CRN 305811-03-4
CMF C11 H14 Cl N3 O2 S



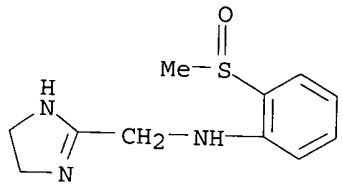
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 439291-51-7 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylsulfinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

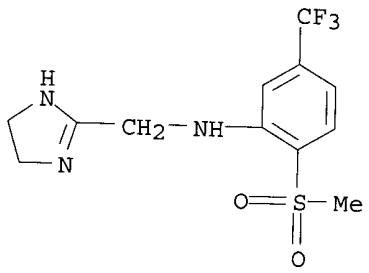


● HCl

RN 439291-68-6 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylsulfonyl)-5-(trifluoromethyl)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

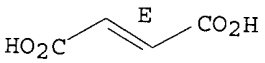
CRN 439291-67-5
CMF C12 H14 F3 N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

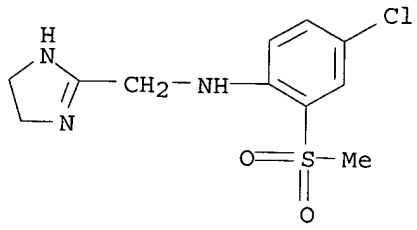
Double bond geometry as shown.



RN 439291-76-6 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[4-chloro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

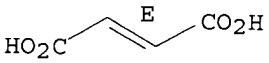
CRN 439291-75-5
CMF C11 H14 Cl N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:790481 CAPLUS
DOCUMENT NUMBER: 133:350215
TITLE: Arylaminomethylimidazolines as .alpha.1A adrenoceptor agonists
INVENTOR(S): Bigham, Eric Cleveland; Bishop, Michael Joseph; Drewry, David Harold; Garrison, Deanna Trojan; Hodson, Stephen Joseph; Navas, Frank, III; Speake, Jason D.
PATENT ASSIGNEE(S): Glaxo Group Limited, UK; Navas Iii, Frank
SOURCE: PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000066563	A1	20001109	WO 2000-EP3848	20000428
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1175406	A1	20020130	EP 2000-925251	20000428
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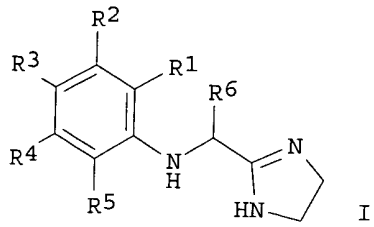
JP 2002543187	T2	20021217	JP 2000-615394	20000428

PRIORITY APPLN. INFO.: GB 1999-10110 A 19990430
WO 2000-EP3848 W 20000428

Golam Shameem

OTHER SOURCE(S): MARPAT 133:350215
GI



I

AB Title compds. I [R2-R5 = H, halogen, -OH, alkyl, alkoxy, alkylthio, CF3, .gtoreq. 2 of R2-R5 = H; R6 = H, Me; R1 = S(O)nR7 (n = 1, 2), SO2NHR8, COR9, NR10R11, CR12:NOR13, (un)substituted Ph, heterocyclic; R7, R8 = alkyl, fluoroalkyl; R9 = alkyl, fluoroalkyl, (un)substituted NH2, NHNH2; R10 = H, alkyl; R11 = cycloalkyl, cyclopropylmethyl, alkenyl, (un)substituted alkyl; R12 = H, alkyl; R13 = alkyl] were prepd. for use in the treatment of .alpha.1A-mediated diseases or conditions such as urinary incontinence. Thus, 2-MeSC6H4NH2 was treated with 2-chloromethyl-2-imidazoline-HCl and oxidized to give I [R1 = SO2Me, R2-R6 = H] as the fumarate, which was active as an agonist for cloned human .alpha.1A receptors.

IT **305809-66-9P 305809-68-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of arylaminomethylimidazolines as .alpha.1A adrenoceptor agonists)

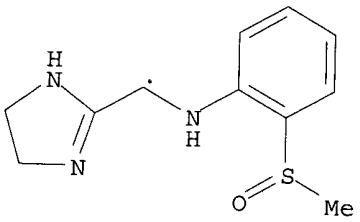
RN 305809-66-9 CAPLUS

CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylsulfinyl)phenyl]-, (-)-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 305809-65-8
CMF C11 H15 N3 O S

Rotation (-).

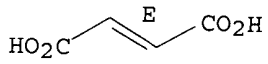


CM 2

CRN 110-17-8
CMF C4 H4 O4

Golam Shameem

Double bond geometry as shown.

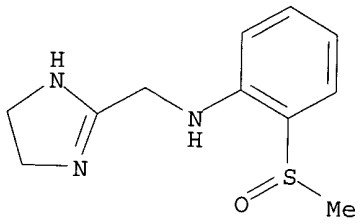


RN 305809-68-1 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylsulfinyl)phenyl]-, (+)-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 305809-67-0
CMF C11 H15 N3 O S

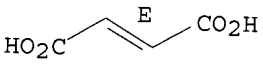
Rotation (+).



CM 2

CRN 110-17-8
CMF C4 H4 O4

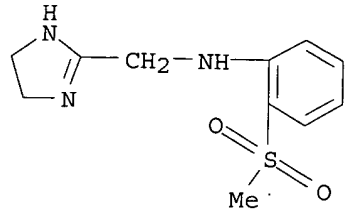
Double bond geometry as shown.



IT **305809-46-5P 305809-48-7P 305809-50-1P**
305809-52-3P 305809-54-5P 305809-55-6P
305809-57-8P 305809-59-0P 305809-61-4P
305809-63-6P 305809-64-7P 305810-08-6P
305810-10-0P 305811-04-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of arylaminomethylimidazolines as .alpha.1A adrenoceptor agonists)
RN 305809-46-5 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylsulfonyl)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

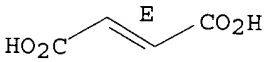
CRN 305809-45-4
CMF C11 H15 N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

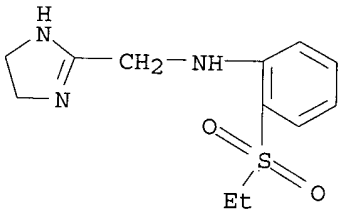
Double bond geometry as shown.



RN 305809-48-7 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[2-(ethylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

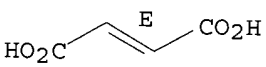
CRN 305809-47-6
CMF C12 H17 N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

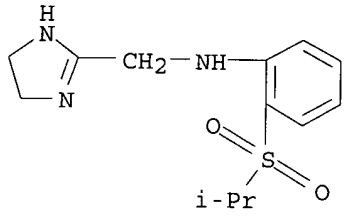


RN 305809-50-1 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-[(1-methylethyl)sulfonyl]phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

Golam Shameem

CM 1

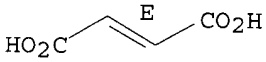
CRN 305809-49-8
CMF C13 H19 N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

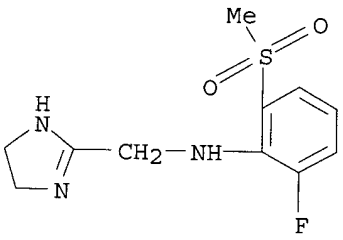
Double bond geometry as shown.



RN 305809-52-3 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[2-fluoro-6-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

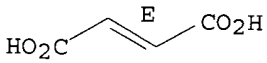
CRN 305809-51-2
CMF C11 H14 F N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

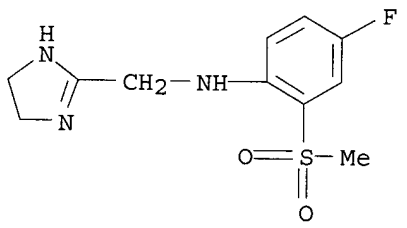


Golam Shameem

RN 305809-54-5 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[4-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

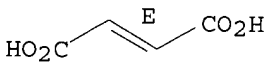
CRN 305809-53-4
CMF C11 H14 F N3 O2 S



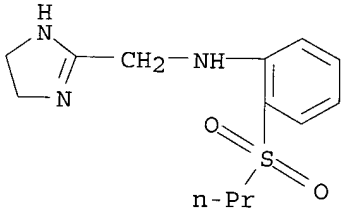
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 305809-55-6 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(propylsulfonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)



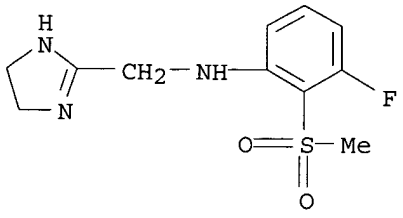
● HCl

RN 305809-57-8 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[3-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 305809-56-7
CMF C11 H14 F N3 O2 S

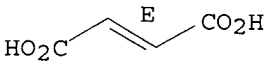
Golam Shameem



CM 2

CRN 110-17-8
CMF C4 H4 O4

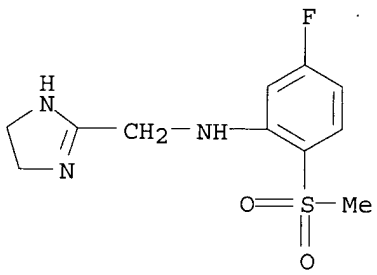
Double bond geometry as shown.



RN 305809-59-0 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[5-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

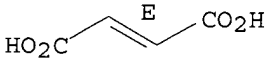
CRN 305809-58-9
CMF C11 H14 F N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

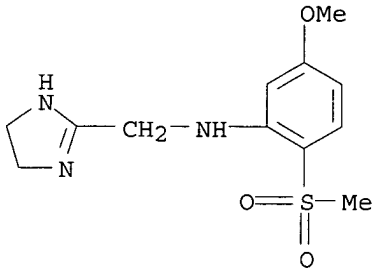


RN 305809-61-4 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[5-methoxy-2-

(methylsulfonyl)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

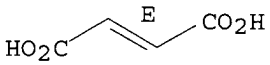
CRN 305809-60-3
CMF C12 H17 N3 O3 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

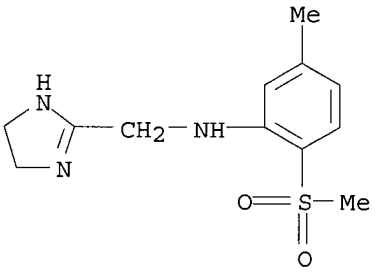
Double bond geometry as shown.



RN 305809-63-6 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[5-methyl-2-(methylsulfonyl)phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 305809-62-5
CMF C12 H17 N3 O2 S

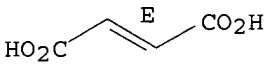


CM 2

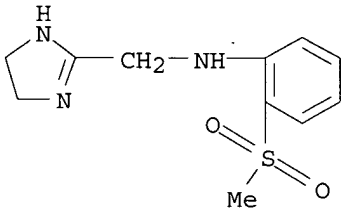
CRN 110-17-8
CMF C4 H4 O4

Golam Shameem

Double bond geometry as shown.



RN 305809-64-7 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylsulfonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

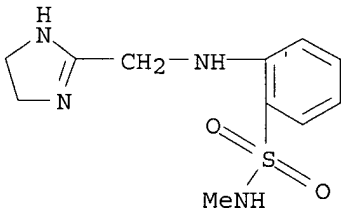


● HCl

RN 305810-08-6 CAPLUS
CN Benzenesulfonamide, 2-[[(4,5-dihydro-1H-imidazol-2-yl)methyl]amino]-N-methyl-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

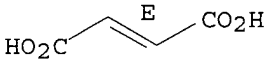
CRN 305810-07-5
CMF C11 H16 N4 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

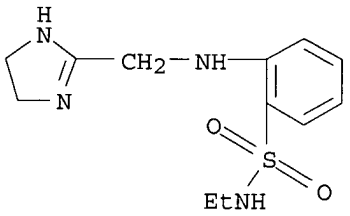
Double bond geometry as shown.



RN 305810-10-0 CAPLUS
CN Benzenesulfonamide, 2-[[(4,5-dihydro-1H-imidazol-2-yl)methyl]amino]-N-ethyl-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

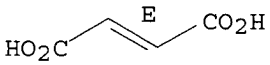
CRN 305810-09-7
CMF C12 H18 N4 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

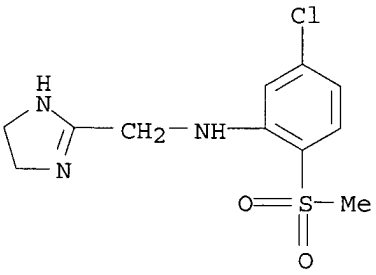
Double bond geometry as shown.



RN 305811-04-5 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[5-chloro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

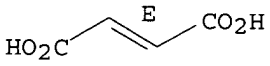
CRN 305811-03-4
CMF C11 H14 Cl N3 O2 S



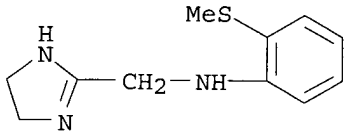
CM 2

CRN 110-17-8
CMF C4 H4 O4

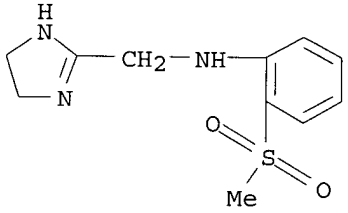
Double bond geometry as shown.



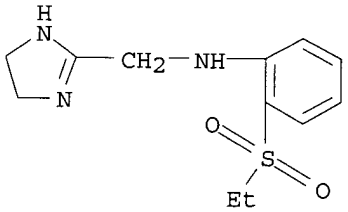
IT **305811-05-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of arylaminomethylimidazolines as .alpha.1A adrenoceptor agonists)
RN 305811-05-6 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylthio)phenyl]- (9CI) (CA INDEX NAME)



IT **305809-45-4P 305809-47-6P 305809-58-9P**
305809-60-3P 305809-62-5P 305810-07-5P
305810-09-7P 305811-03-4P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of arylaminomethylimidazolines as .alpha.1A adrenoceptor agonists)
RN 305809-45-4 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

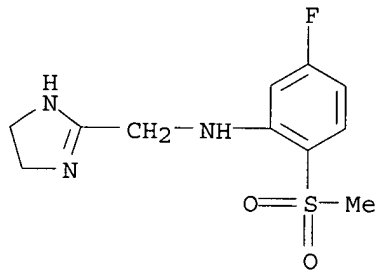


RN 305809-47-6 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[2-(ethylsulfonyl)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)

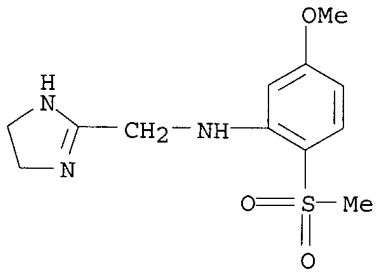


RN 305809-58-9 CAPLUS

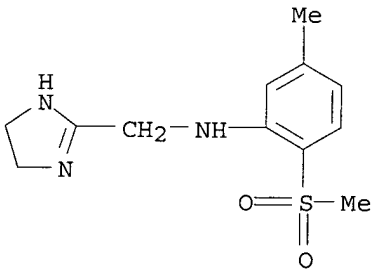
CN 1H-Imidazole-2-methanamine, N-[5-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



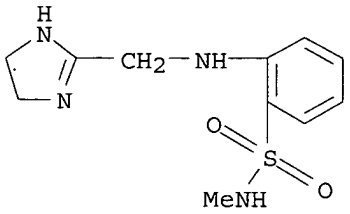
RN 305809-60-3 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[5-methoxy-2-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



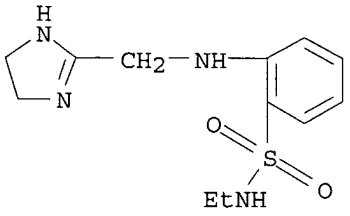
RN 305809-62-5 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[5-methyl-2-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



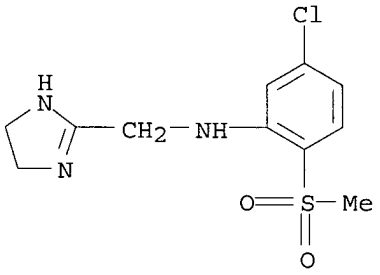
RN 305810-07-5 CAPLUS
CN Benzenesulfonamide, 2-[[(4,5-dihydro-1H-imidazol-2-yl)methyl]amino]-N-methyl- (9CI) (CA INDEX NAME)



RN 305810-09-7 CAPLUS
CN Benzenesulfonamide, 2-[[(4,5-dihydro-1H-imidazol-2-yl)methyl]amino]-N-ethyl- (9CI) (CA INDEX NAME)



RN 305811-03-4 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[5-chloro-2-(methylsulfonyl)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

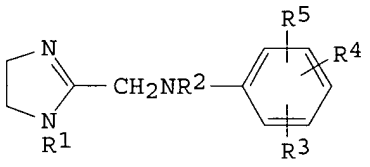
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:81362 CAPLUS
DOCUMENT NUMBER: 96:81362
TITLE: Imidazoline derivatives and their pesticidal use
INVENTOR(S): Kristinsson, Haukur; Traber, Walter
PATENT ASSIGNEE(S): Ciba-Geigy A.-G. , Switz.
SOURCE: Can., 29 pp. Division of Can. Appl. No. 290,708.
CODEN: CAXXA4
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

CA 1109787	A2	19810929	CA 1980-356272	19800715
CH 630507	A	19820630	CH 1977-12390	19771011
BE 860781	A1	19780516	BE 1977-182582	19771114
CA 1104143	A1	19810630	CA 1977-290708	19771114
ZA 7706801	A	19780927	ZA 1977-6801	19771115
CS 194822	P	19791231	CS 1977-7520	19771115

PRIORITY APPLN. INFO.:
CH 1976-14401 19761116
CH 1976-14402 19761116
CH 1977-12390 19771011
CA 1977-290708 19771114

GI



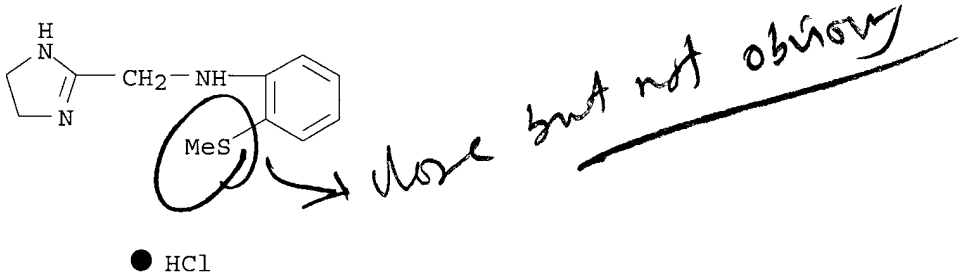
I

AB Hydrochlorides and free bases of anilinomethylimidazolines I (where R1 = H or alkyl; R2 = H, Me, pentyl, Bu, or substituted Ph; R3 = H, halo, Me, MeO, etc; R4 = R5 = H, halo, or Me) are pesticides. Thus, compns. contg. 2-(2'-methyl-3'-chlorophenylaminomethyl)-2-imidazoline (II) [80548-49-8] or an acid addn. salt with an inorg. or org. acid, together with a liq. or solid carrier or additive are suitable for ectoparasite control. Contact application of II HCl [67084-18-8] to engorged Boophilus microplus females resulted in 100% inhibition of oviposition at a min. concn. of 100 ppm in lab. tests. Syntheses of these imidazoline derivs. are described.

IT **67083-77-6P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and pesticidal activity of)

RN 67083-77-6 CAPLUS

CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylthio)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:541911 CAPLUS
DOCUMENT NUMBER: 89:141911
TITLE: Pesticidal composition for combatting ectoparasites and microorganisms
INVENTOR(S): Kristinsson, Haukur; Traber, Walter

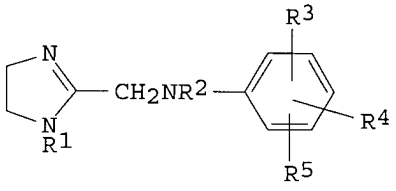
Golam Shameem

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Ger. Offen., 35 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2750902	A1	19780524	DE 1977-2750902	19771114
CH 630507	A	19820630	CH 1977-12390	19771011
NL 7712401	A	19780518	NL 1977-12401	19771110
BR 7707589	A	19780620	BR 1977-7589	19771111
BE 860781	A1	19780516	BE 1977-182582	19771114
GB 1592699	A	19810708	GB 1977-47367	19771114
IL 53374	A1	19830615	IL 1977-53374	19771114
ZA 7706801	A	19780927	ZA 1977-6801	19771115
ES 464150	A1	19790101	ES 1977-464150	19771115
AU 7730654	A1	19790524	AU 1977-30654	19771115
AU 526754	B2	19830127		
CS 194822	P	19791231	CS 1977-7520	19771115
JP 53063378	A2	19780606	JP 1977-137762	19771116
FR 2380733	A1	19780915	FR 1977-34431	19771116
FR 2380733	B1	19820730		
FR 2381030	A1	19780915	FR 1978-16218	19780531
FR 2381030	B1	19821001		

PRIORITY APPLN. INFO.:
CH 1976-14401 19761116
CH 1976-14402 19761116
CH 1977-12390 19771011

GI

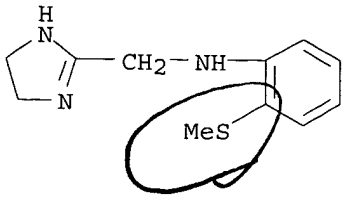


I

AB The 2-phenylaminomethyl-2-imidazolines I (R1 = H or C1-10 alkyl; R2 = H, C1-10 alkyl or substituted Ph; R3, R4, and R5 = H, C1-5 alkyl, C1-5 alkoxy, alkylthio, OH, halo, NO2, CN, or CF3; R3R4 = 1.4-butadienyl) are acaricides and fungicides. Thus, the LC100 of 2-(2,3-dimethylphenylaminomethyl)-2-imidazoline-HCl (II) [67084-33-7] for Ablyomma hebraeum was 1 ppm. The synthesis of I is given. II was prepd. by the reaction of 2-chloromethyl-2-imidazoline-HCl [13338-49-3] with 2,3-dimethylaniline [87-59-2].

IT **67083-77-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and acaricidal and fungicidal activity of)
RN 67083-77-6 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-(methylthio)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Golam Shameem



● HCl

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.31	320.02

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.60	-2.60

FILE 'REGISTRY' ENTERED AT 14:36:09 ON 18 APR 2003
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DICTIONARY FILE UPDATES: 17 APR 2003 HIGHEST RN 503414-07-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

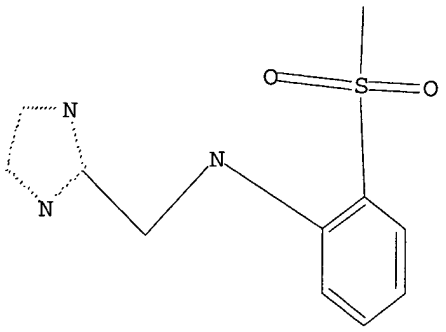
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10019976b.str

L8 STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l8
SAMPLE SEARCH INITIATED 14:36:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 2 TO 124

L9 2 SEA SSS SAM L8

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	320.42

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.60

FILE 'CAPLUS' ENTERED AT 14:36:41 ON 18 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 18 Apr 2003 VOL 138 ISS 17
FILE LAST UPDATED: 17 Apr 2003 (20030417/ED)

Golam Shameem

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> d his

     (FILE 'HOME' ENTERED AT 14:26:57 ON 18 APR 2003)

     FILE 'REGISTRY' ENTERED AT 14:27:05 ON 18 APR 2003
L1             STRUCTURE UPLOADED
L2          50 S L1
L3        1174 S L1 SSS FULL
L4             STRUCTURE UPLOADED
L5           4 S L4
L6          56 S L4 SSS FULL

     FILE 'CAPLUS' ENTERED AT 14:30:15 ON 18 APR 2003
L7           4 S L6

     FILE 'REGISTRY' ENTERED AT 14:36:09 ON 18 APR 2003
L8             STRUCTURE UPLOADED
L9           2 S L8

     FILE 'CAPLUS' ENTERED AT 14:36:41 ON 18 APR 2003

=> s l8
   REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.



SAMPLE SEARCH INITIATED 14:36:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      2 TO ITERATE

100.0% PROCESSED       2 ITERATIONS                                 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:             2 TO      124
PROJECTED ANSWERS:                2 TO      124

L10           2 SEA SSS SAM L8



L11          2 L10

=> d ibib abs hitstr l11 tot

L11  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2002:312317  CAPLUS
DOCUMENT NUMBER:          137:56986
TITLE:                    2-(Anilinomethyl)imidazolines as .alpha.1 Adrenergic
                          Receptor Agonists: the Discovery of .alpha.1a Subtype
                          Selective 2'-Alkylsulfonyl-Substituted Analogues

Golam Shameem
```

AUTHOR(S): Hodson, Stephen J.; Bishop, Michael J.; Speake, Jason D.; Navas, Frank, III; Garrison, Deanna T.; Bigham, Eric C.; Saussy, David L., Jr.; Liacos, James A.; Irving, Paul E.; Gobel, M. Jeffrey; Sherman, Bryan W.
CORPORATE SOURCE: GlaxoSmithKline Research Laboratories, Research Triangle Park, NC, 27709-3398, USA
SOURCE: Journal of Medicinal Chemistry (2002), 45(11), 2229-2239
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 137:56986

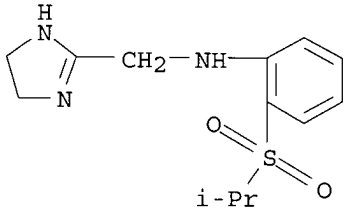
AB A series of 2'-alkylthio-2-(anilinomethyl)imidazolines were prepd. to examine the effect of the alkyl group size, sulfur oxidn. state, and Ph ring substitution on ligand binding and agonism of .alpha.-adrenergic receptor subtypes .alpha.1a, .alpha.1b, .alpha.1d, .alpha.2a, and .alpha.2c. Binding at all receptor subtypes decreased for compds. in the sulfone oxidn. state as compared to their sulfide analogs. While sulfides were generally potent, nonselective agonists, sulfones exhibited .alpha.1a subtype selectivity in a cell-based functional assay. One of the sulfones was 250-7000-fold selective for .alpha.1a vs. all other subtypes.

IT **305809-50-1P 305809-59-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and structure activity relationships of 2-(anilinomethyl)imidazolines as .alpha.1 adrenergic receptor agonists)

RN 305809-50-1 CAPLUS
CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-[(1-methylethyl)sulfonyl]phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

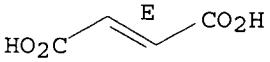
CRN 305809-49-8
CMF C13 H19 N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 305809-59-0 CAPLUS

Golam Shameem

CN 1H-Imidazole-2-methanamine, N-[5-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 305809-58-9
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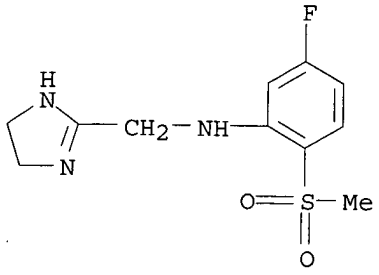
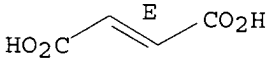


CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



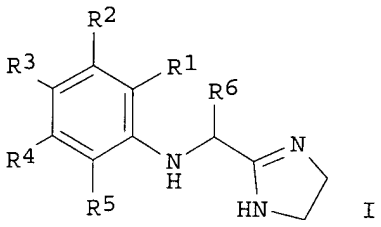
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:790481 CAPLUS
DOCUMENT NUMBER: 133:350215
TITLE: Arylaminomethylimidazolines as .alpha.1A adrenoceptor agonists
INVENTOR(S): Bigham, Eric Cleveland; Bishop, Michael Joseph; Drewry, David Harold; Garrison, Deanna Trojan; Hodson, Stephen Joseph; Navas, Frank, III; Speake, Jason D.
PATENT ASSIGNEE(S): Glaxo Group Limited, UK; Navas Iii, Frank
SOURCE: PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000066563	A1	20001109	WO 2000-EP3848	20000428

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,

ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1175406 A1 20020130 EP 2000-925251 20000428
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2002543187 T2 20021217 JP 2000-615394 20000428
PRIORITY APPLN. INFO.: GB 1999-10110 A 19990430
WO 2000-EP3848 W 20000428
OTHER SOURCE(S): MARPAT 133:350215
GI



I

AB Title compds. I [R2-R5 = H, halogen, -OH, alkyl, alkoxy, alkylthio, CF3, .gtoreq. 2 of R2-R5 = H; R6 = H, Me; R1 = S(O)nR7 (n = 1, 2), SO2NHR8, COR9, NR10R11, CR12:NOR13, (un)substituted Ph, heterocyclic; R7, R8 = alkyl, fluoroalkyl; R9 = alkyl, fluoroalkyl, (un)substituted NH2, NHNH2; R10 = H, alkyl; R11 = cycloalkyl, cyclopropylmethyl, alkenyl, (un)substituted alkyl; R12 = H, alkyl; R13 = alkyl] were prepd. for use in the treatment of .alpha.1A-mediated diseases or conditions such as urinary incontinence. Thus, 2-MeSC6H4NH2 was treated with 2-chloromethyl-2-imidazoline-HCl and oxidized to give I [R1 = SO2Me, R2-R6 = H] as the fumarate, which was active as an agonist for cloned human .alpha.1A receptors.

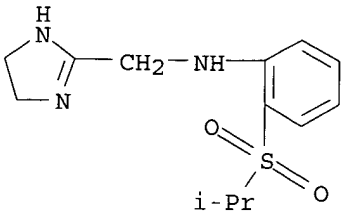
IT **305809-50-1P 305809-59-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of arylaminomethylimidazolines as .alpha.1A adrenoceptor agonists)

RN 305809-50-1 CAPLUS

CN 1H-Imidazole-2-methanamine, 4,5-dihydro-N-[2-[(1-methylethyl)sulfonyl]phenyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

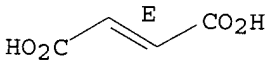
CRN 305809-49-8
CMF C13 H19 N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

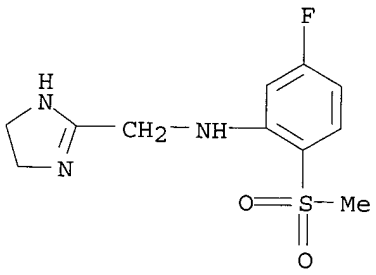
Double bond geometry as shown.



RN 305809-59-0 CAPLUS
CN 1H-Imidazole-2-methanamine, N-[5-fluoro-2-(methylsulfonyl)phenyl]-4,5-dihydro-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

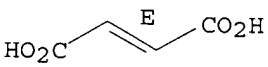
CRN 305809-58-9
CMF C11 H14 F N3 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.91	331.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-3.90

STN INTERNATIONAL LOGOFF AT 14:38:00 ON 18 APR 2003